

REMARKS

Claims 1, 3, 5-7 and 21-33 are pending. By this Amendment, claims 2, 4 and 8-20 are canceled without prejudice or disclaimer, claims 1, 3, 6 and 7 are amended and new claims 21-33 are added.

The Office Action states that Figures 3-5 should be labeled as "Prior Art." However, Figures 3-5 have not been admitted to be prior art. Furthermore, the Office Action has not shown that these figures are prior art. Therefore, because there has been no express indication that these figures are prior art and the Patent Office has failed to provide any reason why they are prior art, applicant is not amending these figures at this time.

The Office Action objects to claim 1 under 37 C.F.R. §1.75(c). The above amendment obviates the grounds for objection.

The Office Action rejects claims 1-6, 8-11 and 13-20 over U.S. Patent 6,407,510 to Yoo et al. (hereafter Yoo). The Office Action also rejects claims 1-3, 5 and 6 over U.S. Patent 6,603,449 to Kang et al. (hereafter Kang). Still further, the Office Action rejects claims 1-3 and 5-7 under the judicially created doctrine of obviousness-type double patenting over claims 1 and 31 of U.S. Patent 6,340,960 to Song et al. (hereafter Song) and further in view of Kang. The rejections are respectfully traversed.

Independent claim 1 recites that if input data signals exist, applying first data pulses and if input data signals don't exist, applying second data pulses, the first data pulses have a pulse width greater than a pulse width of the second data pulses. Independent claim 1 further recites applying scanning pulses having a pulse width identical to the pulse width of the first data pulses,

wherein the scanning pulses progressively applied to the plurality of scanning/sustain electrode lines are overlapped for a preset time with respect to each other.

In contrast, Yoo discloses a driving part that supplies both a main driving pulse MDP and supplementary data pulses ADP having an increased power consumption as the two data pulses MDP and ADP are generated independently. Thus, Yoo does not teach or suggest all the features of independent claim 1. That is, Yoo does not suggest the claimed first data pulses having a pulse width greater than a pulse width of the second data pulses in combination with the other features of claim 1 (such as the scanning pulses).

Furthermore, Kang relates to various data pulses according to subfields. Kang does not disclose the specific features of independent claim 1 relating to applying first data pulses and second data pulses, wherein first data pulses have a pulse width greater than a pulse width of the second data pulses. Thus, Kang does not teach or suggest all the features of independent claim 1.

For at least the reasons set forth above, Yoo and Kang do not teach or suggest all the features of independent claim 1. Thus, independent claim 1 defines patentable subject matter. Independent claim 24 defines patentable subject matter for at least similar reasons as claim 1. Claims 3, 5-7 and 21-23 depend from claim 1 and claims 25-33 depend from claim 24 and therefore define patentable subject matter at least for this additional reason. In addition, the dependent claims also recite features that further and independently distinguish over the applied references. For example, dependent claim 23 (and similarly claim 27) recites that the first data pulses have a first logic value and the second data pulses have a second logic value. The cited references do not teach or suggest these features.

Further, the presently pending claims are not obvious over the claims of Song (either alone or in combination with the claims of Kang). Withdrawal of the obviousness-type double patenting rejection is respectfully requested.

CONCLUSION

In view of the foregoing, it is respectfully submitted that the application is in condition for allowance. Favorable consideration and prompt allowance of claims 1, 3, 5-7 and 21-33 are earnestly solicited. If the Examiner believes that any additional changes would place the application in better condition for allowance, the Examiner is invited to contact the undersigned attorney, **David C. Oren**, at the telephone number listed below.

To the extent necessary, a petition for an extension of time under 37 C.F.R. 1.136 is hereby made. Please charge any shortage in fees due in connection with the filing of this, concurrent and future replies, including extension of time fees, to Deposit Account 16-0607 and please credit any excess fees to such deposit account.

Respectfully submitted,
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